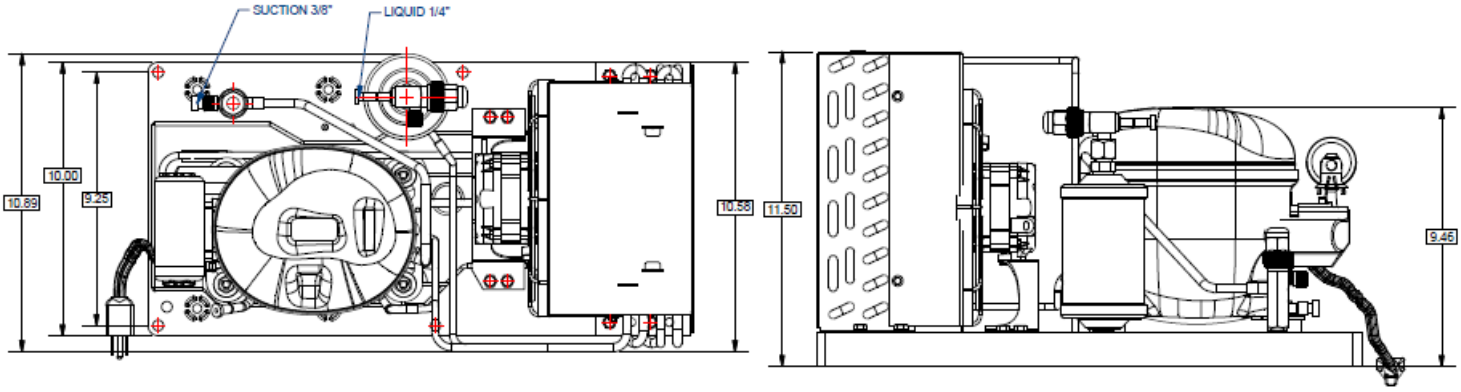
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AE2415Z-AA1AEA, EL, EK, EB, EC**
BOM	**32V328-1(9), -2(9), -3(9), -4(9), -5(9)**
Air Cooled	**1/3 HP**
Application	**Low Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115/60/1**



Model	Dimensions, inch (cm)			Line Connections		Pumpdown	AirFlow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs. (kg)
AE2415Z-AA1AEA	20 (50.8)	10.6 (26.9)	11.5 (29.2)	5/16" Sweat	1/4" Sweat	n/a	190	13.1	50 (22.7)
AE2415Z-AA1AEL									
AE2415Z-AA1AEK									
AE2415Z-AA1AEB		10.9 (27.7)				1.87			52 (23.6)
AE2415Z-AA1AEC				3/8" Valve Sweat	1/4" Valve Sweat	2.29			53 (24)

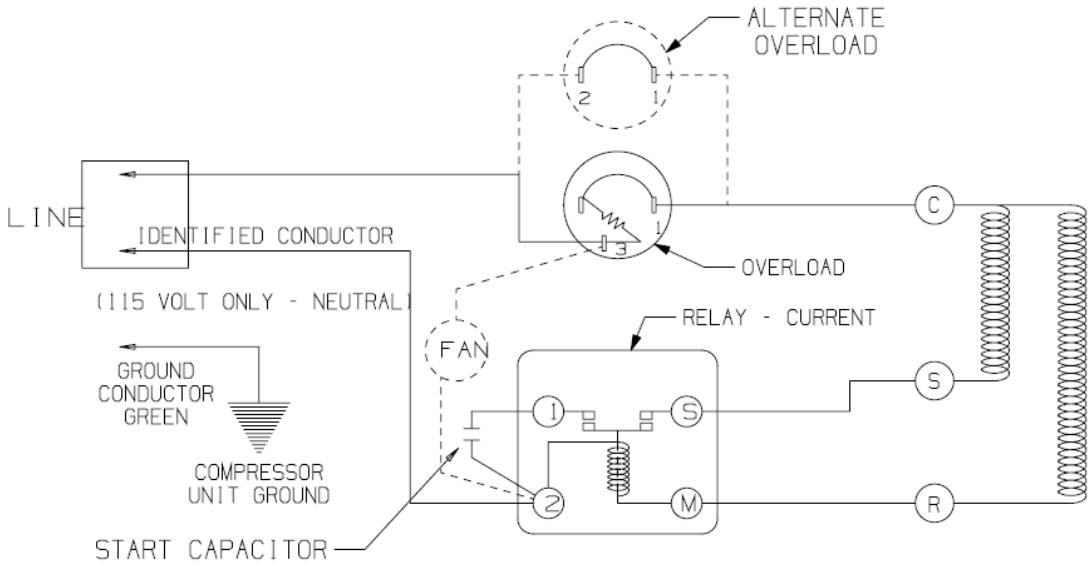
Factory charge 20 PSIG dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	720	270	198	88	600	260	226	97	480	250	257	106	380	240	290	115
-35	8.0	900	300	204	90	760	290	232	99	640	280	263	108	520	270	298	116
-30	10.7	1070	320	210	92	920	320	239	101	790	310	271	109	660	300	305	118
-25	14.0	1240	350	217	94	1080	340	246	103	940	340	278	111	800	340	313	120
-20	17.1	1410	370	223	96	1240	370	253	105	1080	370	285	113	930	370	320	122
-15	19.3	1580	390	230	98	1400	390	260	107	1220	390	293	115	1060	400	328	124
-10	**24.5**	**1740**	**410**	**236**	**100**	**1550**	**420**	**267**	**108**	**1360**	**420**	**300**	**117**	**1180**	**420**	**336**	**126**
-5	28.8	1900	430	243	102	1690	440	274	110	1500	450	308	119	1310	450	344	127
0	33.5	2060	450	250	104	1840	460	281	112	1630	470	315	121	1430	480	352	129
5	36.5	2210	470	256	105	1980	480	288	114	1760	490	322	122	1540	500	360	131
10	43.7	2360	490	262	107	2120	500	295	116	1880	520	329	124	1650	530	367	132

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

Parts/Specifications

Unit BOM	**32V328-1(9)**	**Unit BOM**	**32V328-2(9)**
Unit MODEL	**AE2415Z-AA1AEA**	**Unit MODEL**	**AE2415Z-AA1AEL**
		Fan Guard	1-055-223
Refrigerant	R404A		
Refrigeration RANGE	-40°F to 10°F	**Unit BOM**	**32V328-3(9)**
Design Pressure Low	181	**Unit MODEL**	**AE2415Z-AA1AEK**
Design Pressure High	450	Fan Guard	1-055-223
Volts - HZ - Ph	115/60/1	Power Cord	85106-10
Voltage Range	103.5 - 126.5		
Min. Circuit Ampacity	6.82	**Unit BOM**	**32V328-4(9)**
Max. Fuse Size	15	**Unit MODEL**	**AE2415Z-AA1AEB**
		Fan Guard	1-055-223
Compressor MODEL	AE2415Z-AA1A	Power Cord	85106-10
Compressor BOM	AE-1157-E	Receiver	51085-1
Compressor LRA	32	Unit drawing DGU	DGU1923-V04
Compressor RLA	4.99		
OverLoad	T90731-24-ZP	**Unit BOM**	**32V328-5(9)**
Replacement Kit-O/L	K90-59	**Unit MODEL**	**AE2415Z-AA1AEC**
Relay	820-10087	Fan Guard	1-055-223
Replacement Kit-Relay	K71-39	Power Cord	85106-10
Start Capacitor	85PS165D89	Receiver	51080
Replacement Kit-St.Cap	K146-28	Liquid Valve	31589-1
		Suction Valve	56604
Fan Motor	810L009B96	Unit drawing DGU	DGU1923-V05
Fan Motor RLA	0.58		
Fan Blade	4VEA010		
Replacement Fan Motor	9W115	**CODE INDEX**	
		EA - base unit	
Condenser	50860-A01	EL - base + fan guard	
Shroud	71032	EK - base + fan guard + power cord	
		EB - base + fan guard + power cord + receiver	
Unit drawing DGU	DGU1923-V03	EC - base + fan guard + power cord + receiver + valves	
Electrical Diagram	DEAE32	Code (9) at item number denotes single pack	



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR
REF. DWG. MD-472-1